



**Project No:** MCC001901030201  
**Project:** Final Remedial Investigation  
**Client:** AFCEE  
**Location:** Site 24 - Vandenberg AFB  
**Northing:** 640298.186

**Borehole ID:** HGL41(24MW17B)  
**Date:** 12/11/2002  
**Geologist:** P. Sullivan  
**Checked By:** D. Smith, R.G.  
**Ground Surface Elevation(ft msl):** 456.61  
**Easting:** 1768335.253

SUBSURFACE PROFILE				SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
2		<b>Fill</b>	fill	455				
4		<b>Poorly graded sand</b> Grayish orange, moist, soft, 100% fine grained sand	SP					
6					100	9/13/17	1.4	
8		unit becomes 100% medium grained sand at 10'						
10					100	9/13/17	2.5	
12		unit becomes very moist at 15'						
14		lense of clayey sand from 15.5' to 16.5'						
16		unit becomes 100% fine grained sand at 16.5'	SC		100	10/15/17	2.6	
18			SP					
20		unit becomes very moist at 19.5'						
22		lense of sand with silt from 20.5' to 21'	SM		100	28/50 for 7"	2.7	
24			SP					
26					70	9/16/40	3.1	
28		unit becomes moist and 100% medium sand at 25'						
30					50	21/50 for 5"	2.9	
32								
34								
36					50	31/50 for 4"	3.1	
38								
40					67	21/50 for 5"	3.6	

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: CA Mod Split Spoon

HydroGeoLogic, Inc.

4600 Northgate Blvd., Suite 207

Sacramento, CA 95834

(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"

Total Depth Drilled: 85'

Sheet 1 of 3



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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
42			SP	414	67			
44		<b>Silty sand</b> Moderate yellowish brown, dense, moist, 70% fine grained sand, 30% silt	SM	413				
46			SP		70	14/41/50 for 2"	4.1	
48		<b>Poorly graded sand</b> Grayish orange pink, soft, very moist to saturated, 100% fine grained sand						
50		unit becomes pale yellowish brown, soft, and saturated at 45'			90	18/43/50 for 2"	4.7	
52								
54								
56					65	15/50 for 5"	6.1	
58								
60		unit becomes 100% medium grained sand at 60'			60	25/50 for 4"	5.1	
62								
64		unit becomes 100% fine grained sand at 65'						
66					90	7/8/30	6.1	Flowing/heaving sand.
68		unit becomes a heaving sand						
70								No more split spoon samples due to flowing/heaving sand.
72								
74								
76								
78								
80								

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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
82			SP	374				Drill to 85', set temporary well.
84		<b>Silty clay</b> Olive gray, very stiff, moist, low plasticity, 70% clay, 30% silt	CL	372				
86								Boring converted to deep well 24MW17B.
88								
90								
92								
94								
96								
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100								
102								
104								
106								
108								
110								
112								
114								
116								
118								
120								

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